

MODELS: Fairchild 22, C7A, C7AM, C7AS, 2 POL-SM

T.C. NUMBER : ATC 438

(For Model C7AM, See NOTE 4.)

**I - Specifications Pertinent to All Models:**

Engine	American Cirrus Hi-Drive Mark III 95 hp
Fuel	21 gallons (1 in fuselage)
Oil	2-1/2 gallons
No. passengers	1
Spec. basis	Approved Type Certificate No. 438
Serial Nos.	506, 511, 1001 and up manufactured prior to 7/1/35 eligible. Approval expired as of that date. (See NOTE 4.)

**Class I equipment:**

**A. Landplane**

- 101. 6.50-10 wheels and brakes (Warner)
- 102. Tail skid
- 103. Propeller - wood

**B. Seaplane**

- 151. Edo I-1835 floats
- 152. Propeller - adj. metal
- 153. Battery 10 lbs.
- 154. Starter (Eclipse hand inertia) 9 lbs.
- 155. Position lights

**Class III equipment: (\* Denotes net increase.)**

**A. Landplane**

- 301. Cast aluminum alloy rudder and brake pedals
- 302. Fairchild shock absorber strut No. 3340 instead of Warner strut
- 303. 19x9-3 tires Net decrease 11 lbs.
- 304. Sport type landing gear with
  - (a) 6.50-10 tires 14 lbs.\*
  - (b) 19x9-3 tires No change in weight
- 305. 8x4 tail wheel (Goodyear)
- 306. Propeller - adj. metal 13 lbs.\*
- 307. Sparter (Inertia) 9 lbs.
- 308. Battery (Hot shot) 10 lbs.
- 309. Starter and battery installation (baggage to be reduced 30 lbs.) 50 lbs.

**B. Seaplane**

- 351. Propeller - wood Net decrease 13 lbs.

**NOTE 1.** Aircraft with two piece wing or continuous spar type are eligible. Aircraft equipped with old type aileron hinges without ball bearings also eligible with the hinges reamed out and 5/16 in. bolts installed instead of 1/4 in. bolts.

**NOTE 2.** Sport type landing gear has Vee strut fairing and wheel streamlines. Inspector should specify type installed.

**NOTE 3.** Landplane standard weight may be increased to 1550 lbs. provided rear stabilizer attachment fitting is revised to raise hinge 5/16 in. Distance from center line of longeron to center of hole in fitting is 1-7/16 inch.

**NOTE 4.** Serial No. 1037 (remodeled by Al Lary) is eligible as Model C7AM (2 POLM) with the following:

Engine	Menasco B-4
Placard limits	Maximum except takeoff - in. Hg., 2200 rpm (95 hp) Takeoff (one minute) - in. Hg., 2200 rpm (95 hp)
Placard speeds	Level flight or climb - 101 mph Ind. Glide or dive - 125 mph Ind.
Propeller	Maximum permissible diameter 98 in.
Fuel	21 gallons (in fuselage) (0)
Oil	2-1/2 gallons (-11.75)
No. passengers	1 (+26.95)
Baggage	19 lbs. (in fuselage) (+3.25)
Standard weight	1550 lbs.

C.G. Limits (+15.45) and (+22.45)

EQUIPMENT: (Datum is leading edge of wing)  
101. 19x9-3 wheels.

NOTE: Wing must be rigged so that wing leading edge is 5-3/4 in. forward of chassis axle. Fin (Fairchild Drawing No. 3690) and rudder (Fairchild Drawing No. 3668) must be installed.

II - Model C7A, Designation 2 POLM:

Baggage	Forward compartment: 40 lbs. with 1503 lbs. standard weight 50 lbs. with 1550 lbs. standard weight Pay load includes 2 parachutes 20 lbs. each and tool roll 10 lbs.
Standard weight	1503 lbs. (See NOTE 3)

III - Model C7AS, Designation 2 POSM:

Baggage	21 lbs.
Standard weight	1660 lbs.